Applicar	nt/Grantee	Qualcomm I	NC.						
FCC ID: J9CCASTRA									
Section 15.212 Modular Transmitters									
Request	for Modular	Approval	Requ	est for Limited Modular Approval					
•		Requirements		EUT Conditions	Comply (Y/N)				
				Approval Requirements					
1	The radio ele	ements of the n		The Castra module is fully shielded to	yes				
	transmitter must have their own			prevent interference between the device					
	shielding. The physical crystal and			and the module (See external photos in					
	tuning capacitors may be located			Exhibit 10).					
	external to th	ne shielded rad	io elements.						
2	The modular	transmitter m	ıst have	The buffer is provided through USB	yes				
	buffered mod	dulation/data ir	nputs (if such	connection. See Exhibit 5 for details.					
	inputs are provided) to ensure that the								
		comply with P							
		s under condition							
		ta rates or over							
3		transmitter m		The Castra module has its own power	yes				
	own power s	supply regulation	on.	supply regulation through the PMIC					
				chip.					
4		transmitter m		The Castra module has unique antenna	yes				
		enna and transn		connectors. Antenna gain information					
		rements of Sec		is listed in the user's manual and shall					
		d 15.204(c). T		not be exceeded.					
		e permanently							
		nique" antenna ons between the							
		including the c l installation" <sub>l</sub>							
	-	03 is not applic							
		can apply to li							
		rovals under pa							
	of this section		arugrupii (o)						
5		transmitter m	ıst be tested	All tests reported in this application were	yes				
		one configurati		performed on a stand-alone basis.	<i>J</i> • 8				
		t not be inside							
	device durin	g testing for co	mpliance						
		requirements.	_						
	transmitter n	nodule will be	battery						
	powered, it r	nust comply w	ith the AC						
	line conducte	ed requirement	s found in						
		07. AC or DC	•						
	_	ut/output lines							
		nust not contai							
	· ·	will be markete							
		Section 15.27(							
	_	se lines shall b	_						
		tual use or, if the	-						
	unknown, at least 10 centimeters to								
	ınsure that th	nere is no coup	ling between						

	the case of the module and supporting equipment. Any accessories, peripherals, or support equipment connected to the module during testing shall be unmodified and commercially available (see Section 15.31(i)).		
6	The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number.  (A) If using a permanently affixed label, the modular transmitter must be labeled with its own FCC identification number, and, if the FCC identification number is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following: "Contains Transmitter Module FCC ID: XYZMODEL1" or "Contains FCC ID: XYZMODEL1." Any similar wording that expresses the same meaning may be used. The Grantee may either provide such a label, an example of which must be included in the application for equipment authorization, or, must provide adequate instructions along with the module which explain this requirement. In the latter case, a copy of these instructions must be included in the application for equipment authorization.  (B) If the modular transmitter uses an electronic display of the FCC identification number, the information must be readily accessible and visible on the modular transmitter or on the device in which it is installed. If the module is installed inside another device, then the outside of the device into which the module is installed must display a label referring to the enclosed module. This exterior label can use wording such as the following: "Contains FCC certified transmitter module(s)." Any similar wording that expresses the same meaning may be used. The user manual must include instructions on how to access the electronic display. A copy of these instructions must be included in the application for equipment authorization.	Please refer to the FCC ID information in Exhibit 8.	yes
7	The modular transmitter must comply with any specific rules or operating requirements that ordinarily apply to a complete transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements. A copy of these instructions must be included in the	The Castra module complies with all of relevant FCC requirements (See Exhibit 2, 3 and 4 for the test results and MPE analysis report), and the adequate instructions to keep the compliance have been provided in the User's Guide (See Exhibit 11).	yes

8 The modular transmitter must comply The Castra module will be installed in a ves	
with any applicable RF exposure requirements in its final configuration.  host product where the transmitting antenna can provide 20 cm separation distance to the body of user. Installation of this module in a portable configuration is not allowed unless proper equipment authorization has been obtained. See Exhibit 4 for MPE analysis	ng tion llation

A limited modular approval may be granted for single or split modular transmitters that do not comply with all of the above requirements, *e.g.*, shielding, minimum signaling amplitude, buffered modulation/data inputs, or power supply regulation, if the manufacturer can demonstrate by alternative means in the application for equipment authorization that the modular transmitter meets all the applicable Part 15 requirements under the operating conditions in which the transmitter will be used. Limited modular approval also may be granted in those instances where compliance with RF exposure rules is demonstrated only for particular product configurations. The applicant for certification must state how control of the end product into which the module will be installed will be maintained such that full compliance of the end product is always ensured.